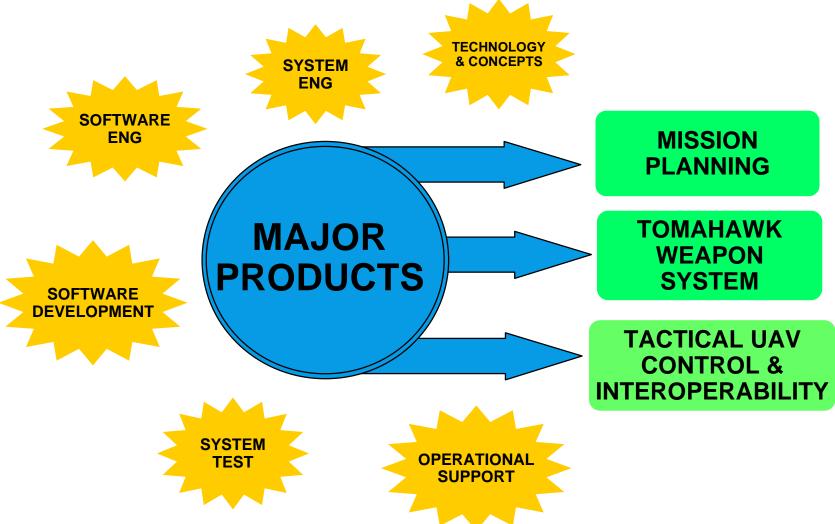
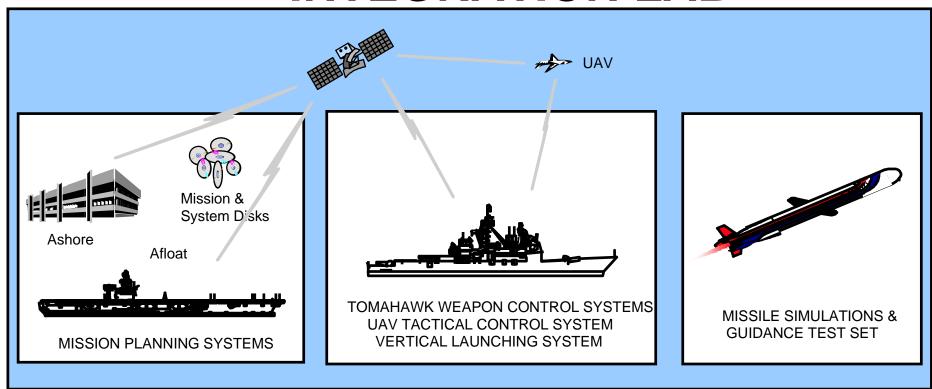


Program Executive Office (Cruise Missile & UAV)





STRIKE WARFARE SYSTEMS INTEGRATION LAB



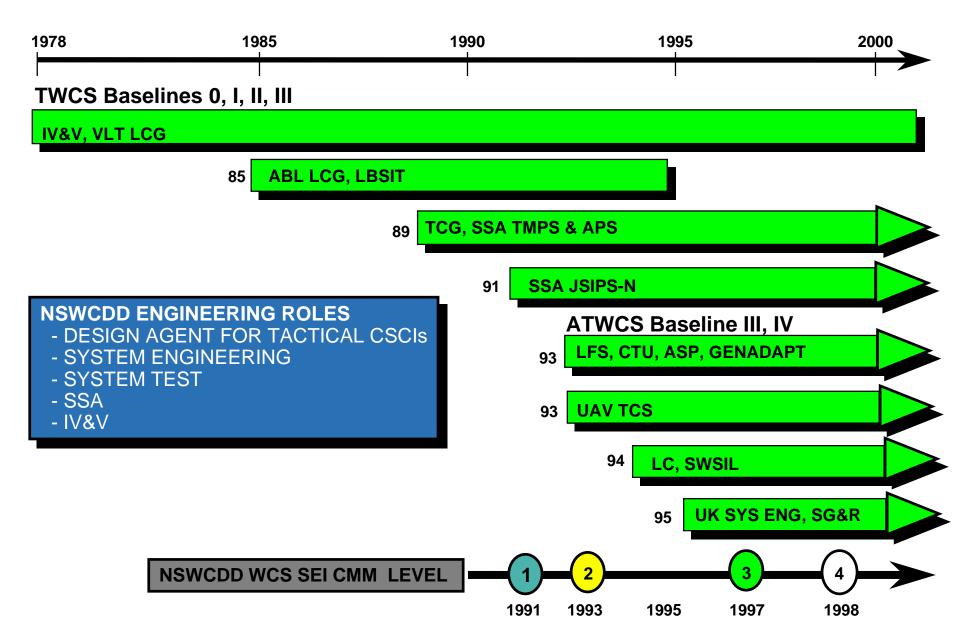
Supported Commander Operational Test and Evaluation Force's (ComOpTEvFor's) evaluation of:

Advanced Tomahawk Weapon Control System (ATWCS) Track Control Group - Replacement (TCG-R), OT-IIJ, and

Developmental Test (DT) Assist of AEGIS/Tomahawk Command and Decision (C&D) communications



NSWCDD RESPONSIBILITIES





UAV SHIP COMBAT SYSTEM INTEGRATION Program Objectives

UAV INDEPENDENT DESIGN

UAV SHIP COMBAT SYSTEM INTEGRATION SR UAV & COMBAT SYSTEM INTEROPERABILITY

SYSTEMATIC PROCESS & DOCUMENTATION

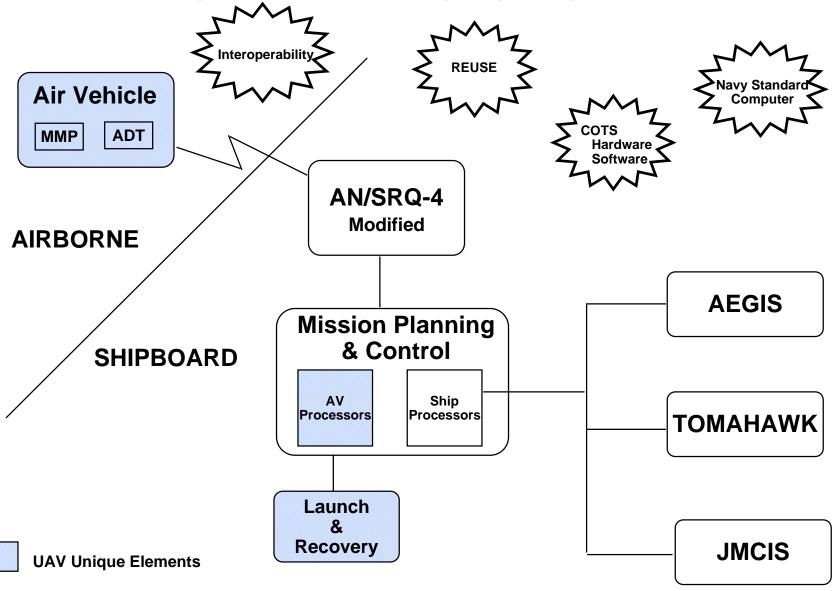


UAV SHIP COMBAT SYSTEM INTEGRATION Program Drivers

- DEMONSTRATE INTEROPERABILITY WITH SR UAV SYSTEM
 - USE HUNTER BLOCK 0 AIR VEHICLE WITHOUT MODIFICATIONS
- DEMONSTRATE INTEGRATION OF UAV INTO COMBAT SYSTEMS
 - USE ATWCS HARDWARE ENVIRONMENT
 - USE ATWCS SOFTWARE ENVIRONMENT
 - USE EXISTING SHIPBOARD LINK (LAMPS MK III)
 - INTEGRATE UAV SYSTEM INTO AEGIS, DD-963 & L- CLASS COMBAT SYSTEMS



PROTOTYPE SHIP UAV DEMO SYSTEM



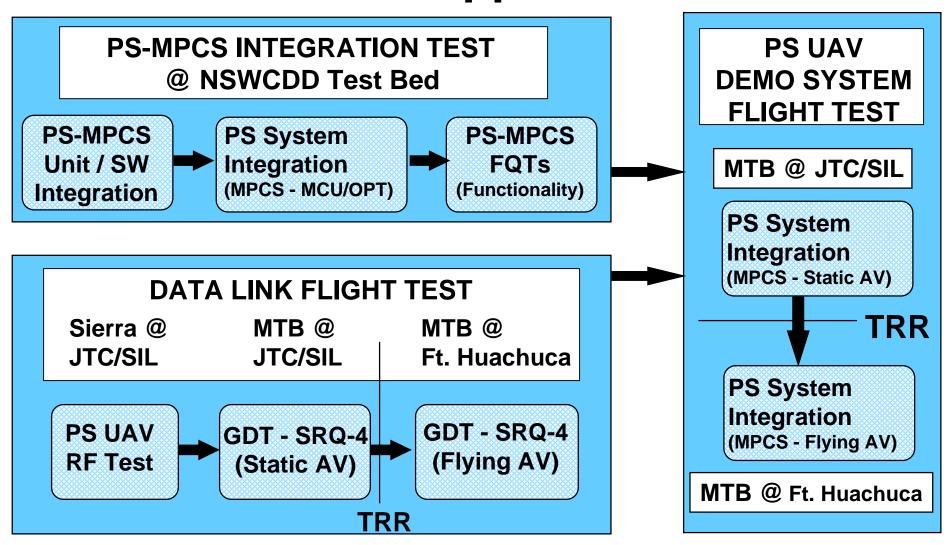


UAV SHIP COMBAT SYSTEM INTEGRATION Test Concept

PS UAV DS **System** Flight Tests "Build a Little -Test a Little" **PS-UAV DS Data Link Tests PS-MPCS** Integration **Tests** Learn a Lot --> **PS-MPCS** Risk Mitigation Unit **Tests**



UAV SHIP COMBAT SYSTEM INTEGRATION Test Approach





TCS CONCEPT



Panema City

Dabigree

AIR VEHICLES

PAYLOADS

TACTICAL UAV
CONTROL SYSTEM

Connects the Air Vehicles & Payloads to the Users

Reconnaissance

Planning

Planning

Battle Damage Assessment

Surveillance

